



# Risk assessment SB/IB-Dishwasher

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at Systembiologi och industriell bioteknik.  
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## Final risk assessment of the method

### 1. Acceptable risk

### 1. State the premises in which the activity is taking place

#### Fysik Forskarhuset

Floor Room

#### Kemi forskarhus 1

Floor Room

#### Kemi kurshus

Floor Room

Plan 6 6176G Autoclave room 1

### 2. Description of activity

Cleaning of lab dishes.

### 3. Products

Product name	Concentration	Form	Quantity	Danger	Comments
Deconex 22 LIQ R34 S26 , S27 , S28.1 , S36/37/39 , S45	Liter	Liquide	22		

#### Risk phrases

R34 Causes burns.

#### Safety advice phrases

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S27 Take off immediately all contaminated clothing

S28.1 After contact with skin, wash immediately with plenty of water

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

S45 In case of accident or if you feel unwell, seek medical advice immediately. Show the label where possible

### 4. Risk category

b: high risk

**5. Level of exposure**

Low

**6. Ventilation**

Level of protection 1 - bench

**7. Biological material**

**8. Comments on Biological material**

**9. Risk codes**

C



Corrosive

**10. Comments on risk codes**

The detergent used in the dishwasher is corrosive. However, the daily user is not in contact with the detergent.

**11. Premises**

**12. Comments on premises**

**13. Protective signs**

**14. Comments on protective signs**

**15. Personal protective equipment**

protective glasses , protective gloves , protective clothing

**16. Comments on Personal protective equipment**

Personal protective equipment such as gloves, safety glasses and lab coat should always be used.

**17. Describe the technical equipment**

The dishwasher is a desinfectant that cleans with high temperature and detergent.

Special trays and baskets are used depending on what type of dishes that should be cleaned.

Important to use the correct baskets/trays so that glass ware doesn't break. Ask research engineers in case of uncertainty.

Make sure that trays are positioned in the right direction with the water pipe facing the back wall of the dish washer.

Sharp dishes should be positioned in a way so that accidents are avoided.

At least once per day clean the bottom basket where dirt is collected. The basket should be taken out and emptied.

## 18. Environment

## 19. Comments on environment

## 20. Waste management

## 21. Comments on Waste management

## 22. Emergency equipment

first aid kit , emergency shower , eye shower ,  
fire-extinguisher water , fire-extinguisher foam ,  
fire-extinguisher carbonic acid , fire blanket , absorbing  
substance

## 23. Comments on Emergency equipment

Fire blanket and water extinguisher is found in the student lab corridor. Emergency showers and fire-extinguishers with foam and carbonic acid are placed in several of the labs at floor 6. See separate plan for the labs. Eye-showers on every sink.

First aid kit in corridor and in SysBio lab.

## 24. Hazardous actions

heating , power failure , other

## 25. Comments on Hazardous actions

Be aware of the hot parts of the instrument when the program is finished. Hot steam may come out, hot water can be collected in the lab ware.

Instrument parts that are hot may cause burn, pay attention!

If the instrument is defect in some way - turn off the electricity. Do not start a run!

Be careful when placing sharp equipment in the dishwasher. Make sure that they are placed in a way so that damages are avoided when emptying.

First aid kit is placed in the corridor. In case of emergency call 112 (dial 00 first).

In case of fire or other electrical problems always try to switch of the electricity.

Fire-extinguishers are placed in the corridor and water pipe just outside the door towards the student lab.

## 26. Special instructions to other personel

## 27. Accidental readiness

## 28. Final risk assessment of the method

### 1. Acceptable risk

## 29. Comments on final risk assessment and additional risk reducing measurements

Acceptable risk as long as the above directions are followed.

Signature  
Supervisor

Date

Christer Larsson

Date of reassessment: